

Subject Index to Volume 22

A

- Acetoacetate
 - islet function and
 - calcium handling, E117
 - rubidium handling and, E123
- Acid-base balance, ketone body production rates, lipolysis and, E327
- Addiction, opiates, peptide transport system, blood-brain barrier, E1
- Adenohypophysis, TSH, lighting condition effects, E162
- Adenosine, prolonged starvation and, adipose tissue (hamster), E80
- Adenosine monophosphate deaminase, ammonia flux, exercise and recovery, E170
- Adenosine triphosphate, production, mitochondria, microsomes of muscle, E204
- Adenylate cyclase, neuropeptide Y receptors, distinction in vivo and in vitro, E131
- Adipocytes
 - lactate production, refeeding after fasting, E865
 - α_2 -responsiveness, during prolonged starvation (hamster), E80
- Adipose tissue
 - brown: *see* Brown fat
 - oxygen consumption of, E599
 - α_2 -responsiveness, during prolonged starvation (hamster), E80
- Adrenalectomy
 - brown fat metabolism after, obesity, E362
 - refeeding after low calorie intake, corticosterone effects on energy expenditure, E658
- Adrenal gland, natriuretic peptide binding sites, autoradiography, E246
- β -Adrenergic agonist, cathepsin activity and, myotubes, E822
- Aging
 - body composition, resting metabolic rate and, E233
 - endurance training and, metabolic rate and hormones in healthy men, E66
 - insulin receptor kinase changes, skeletal muscle and liver, E27
 - norepinephrine kinetics, posture and sodium restriction effects, E422
 - peptide transport system, opiates, blood-brain barrier, E1
- Alanine
 - hepatic nerves, exercise and, E195
 - lactate formation from glucose, E397
 - metabolism, liver and skeletal muscle in, E677
- Albumin, synthesis, measurement of, E797
- Alcoholism, peptide transport system, opiates, blood-brain barrier, E1
- Amiloride, sodium-calcium exchange, pancreatic islets, E844
- Amino acids
 - cerebral dysfunction and, after portacaval shunting, E104
 - load, disposal, glucagon role in, E225

- membrane transport, different protein diet effects, liver, E614
- metabolism
 - quantitative partition (pig), E483
 - renal, E437
- tracer kinetics, starvation effects, muscle, E477
- transport
 - denervated skeletal muscle, E148
 - sarcolemmal vesicles in skeletal muscle, E284
 - uptake, leg tissue, euglycemic hyperinsulinemia effects, E185
- 2-Aminobutyrate, oxidation, quantitative partition (pig), E483
- Amiodarone, intermediary metabolism, thyroid slices, E529
- Ammonia
 - cerebral dysfunction and, after portacaval shunting, E104
 - metabolism, exercise and recovery, E170
- Amylin, glucose metabolism and, E457
- ANF: *see* Atrial natriuretic factor
- ANP: *see* Atrial natriuretic peptide
- Antidiuretic hormone: *see also* Vasopressin
- fluorescent analogue for hydriin 1, E524
- Arginine, synthesis, renal, E437
- Aseptic abscess, turpentine injury, protein metabolism after, model, E763
- ATP: *see* Adenosine triphosphate
- Atrial natriuretic factor, inhibition of mitogenesis, mesangial cells, E312
- Atrial natriuretic peptide, binding sites, brain, E246
- Autophosphorylation, insulin receptor kinase changes, aging and, skeletal muscle and liver, E27
- Autoradiography
 - insulin binding, skeletal muscle, E517
 - natriuretic peptide binding sites, brain, E246
- Autotransplantation, pancreatic islets, altered blood flow regulation in, E52
- Awake state, vasopressin secretion, splanchnic control of, E19

B

- Bathocuproine disulfonate, cyst(e)ine metabolism and, hepatocytes, E443
- BAY K 8644, stimulus-secretion coupling, E856
- Blockade
 - β -adrenergic, norepinephrine effects on insulin sensitivity, E210
 - opioid, renin and pressor responses to, naloxone effects, E432
- Blood-brain barrier
 - glucose transport, chronic vs. acute hypoglycemia, E729
 - insulin uptake, from plasma, E378
 - opiate transport, peptides and, E1
 - transport, cerebral dysfunction after portacaval shunting, E104
- Blood flow: *see also* Microcirculation
- forearm, hand heating effects, E639
- regulation, altered, autotransplanted pancreatic islets, E52

- umbilical placental, leukotriene C₄ effects, fetus (sheep), E851

Body

- composition
 - age effects, E233
 - brown fat metabolism, adrenalectomy effects, E362
 - fat to carbohydrate oxidation, E650
- Bone, calcium labeling, scanning ion microprobe, E586
- Bradykinin, leucine oxidation and, glucagon-induced, E239
- Brain
 - development, transforming growth factor- α in, E256
 - dysfunction, portacaval shunting and, E104
 - glucose utilization, chronic vs. acute hypoglycemia, E729
 - natriuretic peptide binding sites, autoradiography, E246
- Brown fat
 - metabolism, adrenalectomy effects, obesity and, E362
 - obesity, defective thermoregulatory thermogenesis and, E11

C

- Calcitriol, phosphorus and zinc deficiency, vitamin D₃ response to, E319
- Calcium
 - handling, ketone bodies and islet function, E117
 - homeostasis, PTH-related, lactation and, E792
 - labeling, bone, scanning ion microprobe, E586
 - plasma, regulation in calcitonin infusion, E370
 - release, inositol production and, uterine cells (chicken), E872
- Calcium-45, uptake, pancreatic islets, E844
- Calcium channels, voltage-dependent, calmodulin and insulin secretion, E856
- Calcium ions, mobilization, distinction in vivo and in vitro, E131
- Calmodulin, insulin secretion and, E856
- Calorimetry
 - indirect
 - fat to carbohydrate oxidation, E650
 - study of starvation diabetes, E770
- Capacitation, insulin release, pancreatic islets, E548
- Capillaries, insulin sensitivity, muscle, testosterone effects, E555
- Carbachol, inhibition, thyroid metabolism, E529
- Carbohydrates
 - fat oxidation to, predictor of weight gain, E650
 - metabolism
 - hepatic, muscular work effects, E195
 - insulin effects, voluntary running, E706
- Carnitine palmitoyltransferase, oxidation, exercise-induced decline in different muscle types, E266

- Catecholamines
content, platelet, sympathoadrenal activity and, E141
kinetics, aging and, E422
Catepsin, activity, cimaterol reduction of, myotubes and, E822
Central nervous system, insulin uptake, from plasma, E378
Cerebral cortex, function, chronic vs. acute hypoglycemia, E729
Cerebrospinal fluid, insulin uptake from plasma, E378
Choroid plexus, natriuretic peptide binding sites, autoradiography, E246
Cimaterol, catepsin activity and, myotubes, E822
Circadian variations: *see* Rhythms, circadian
Citrulline, arginine synthesis, renal, E437
Clearance, metabolic, endocrine pulse generators, E351
Cold, meals and isoproterenol, thermogenesis after, lateral hypothalamic lesions, E534
Compartmental analysis, glucose distribution and kinetics, E292
Cortical bone, responses, 1,25-dihydroxyvitamin D₃ infusion, E715
Corticosterone
binding, after stress or dexamethasone, spleen or thymus, E405
energy expenditure and, refeeding after low calorie intake, E658
Coupling, stimulus-secretion, calmodulin and insulin secretion, E856
Cyst(e)ine, metabolism, bathocuproine disulfonate and, hepatocytes, E443
- D**
- Deamidase, thyrotropin-releasing hormone, ontogeny and distribution of, E787
Dementia, peptide transport system, opiates, blood-brain barrier, E1
Deoxyglucose, entrainment of circadian phase, development and (opossum), E384
2-Deoxy-D-glucose, uptake, insulin-like growth factor I and, E561
Desipramine, norepinephrine clearance and, congestive heart failure, E261
Development: *see also* Growth
entrainment in (opossum), E384
glucose homeostasis, hypothalamic-pituitary-adrenocortical axis and, E601
thermoregulatory thermogenesis, onset of obesity and, E11
transforming growth factor- α in, E256
Dexamethasone
adrenal steroid receptor binding after, spleen and thymus, E405
glucose cycling and, healthy subjects, E626
Diabetes
glucose metabolism
glycogenolysis and, amylin effects, E457
obesity, hepatocytes, E389
insulin-dependent, lipolysis and, E542
ketoacidosis, osmoregulation of vasopressin in, E723
starvation, mechanisms of, E770
sustained, testicular dysfunction and fertility with, E881
thyroid hormone, adaptation to glucocorticoids, E699

- type 1, insulin effects on leucine and α -ketoisocaproate metabolism, E96
Diet: *see* Feeding
1,25-Dihydroxyvitamin D₃: *see* Vitamin D₃
Dipeptides, clearance, mechanism of, hindquarters, E463
Dopamine, content, platelet, sympathoadrenal activity and, E141
Doubly labeled water technique, energy expenditure, burned children, E576
Dynorphin, opiate transport and, blood-brain barrier, E1

E

- Endocrine gland, pulse generators, operating behavior of, E351
Endorphin, opiate transport and, blood-brain barrier, E1
Endotoxemia, mitochondrial function in, hepatic, E498
Energy
expenditure
aging effects, E233
doubly labeled water technique, burned children, E576
refeeding after low calorie intake, corticosterone effects, E658
thyroid hormone and epinephrine interaction, E305
Enkephalin, opiate transport and, blood-brain barrier, E1
Entrainment, circadian phase, development and (opossum), E384
Enzymes: *see* specific enzyme
Epinephrine
content, platelet, sympathoadrenal activity and, E141
hepatic nerves, exercise and, E195
thyroid hormone interaction and, E305
Erythrocytes, galactose transport, fasting and, E804
Euthyroid, thermogenic effects, epinephrine and insulin with, E305
Exercise
endurance training
aging and, metabolic rate in healthy men, E66
glucose transport capacity and, muscle, E778
enhanced glucose transport after, muscle, E685
physical activity, mitochondrial ATP production, muscle, E204
physical exertion, sympathoadrenal activity, platelet catecholamine content and, E141
recovery
ammonia metabolism during, E170
muscle protein synthesis, E470
running, voluntary, insulin effects on carbohydrate and protein metabolism, E706
training, insulin secretory capacity and, young men, E155
work, muscular, hepatic glucose production during, E195

F

- Fasting
feeding and, hepatic glycogen repletion, E335
oral galactose metabolism, hepatic uptake of, E804
prolonged, α_2 -responsiveness in adipose tissue and (hamster), E80

- protein metabolism and, muscle, insulin response and, E477
refeeding after, adipocyte lactate production, E865
starvation diabetes, mechanisms of, E770

Fat

- ingestion, endurance-trained and untrained young men, E155
oxidation, predictor of weight gain, E650
Fat cells: *see* Adipocytes

Fatty acids

- free
glycolysis and, impaired oxidative capacity, E451
lipolysis, hyperglycemia effects, E542
oxidation, insulin effects, E736
oxidation
exercise-induced decline in different muscle types, E266
mitochondrial, liver, endotoxemic rats, E498
synthesis, TNF, diet effects, E177

Feeding

- diet
hepatic triglyceride production and, E177
maternal, insulin secretion and, islets, E568
food deprivation, glycogen metabolism and, liver, E692
high-fat-sucrose diet, insulin receptor kinase activation and, E111
isoproterenol and cold, thermogenesis after, lateral hypothalamic lesions, E534
parenteral, nitrogen sparing of 2-ketoisocaproate, E633
protein diets, amino acid transport and, liver, E614
refeeding after low calorie intake, corticosterone effects on energy expenditure, E658
Fertility, testicular dysfunction and, sustained hyperglycemia effects, E881
Fetus: *see also* Lactation; Placenta; Pregnancy
deamination and decarboxylation, leucine, E492
development, transforming growth factor- α in, E256
glucose utilization, hypoinsulinemia and hyperglycemia in, E506
leukotriene C₄ effects (sheep), E851
thyrotropin-releasing hormone degrading enzymes, ontogeny and distribution of, E787
Fluid, cerebrospinal: *see* Cerebrospinal fluid
Fluorescent analogue, hydrin 1, E524
Fructose 2,6-bisphosphate
exercise-induced decline, different muscle types, E266
glycolysis and, impaired oxidative capacity, E451

G

- Galactose, oral, uptake, liver, fasting effects, E804
Gastric emptying, starvation diabetes, mechanisms of, E770
Glucagon
amino acid load disposal and, E225
hepatic nerves, exercise and, E195

leucine oxidation induced by, bradykinin effects, E239

Glucocorticoids
glucose cycling and, healthy subjects, E626
myofibrillar proteolysis adaptation to, insulin- and thyroid hormone-independent, E699

Glucokinase, measurement, dexamethasone and, healthy subjects, E626

Gluconeogenesis
alanine and lactate, liver and skeletal muscle in, E677
vasoactive peptides and phenylephrine effects, hepatocytes (teleost), E644

Gluconeogenic precursors, fasted-refed transition, skeletal muscle, E513

Glucoregulation, noncompartmental and compartmental analysis, E292

Glucose
blood, exercise-induced decline in different muscle types, E266
blood flow and, transplanted islets, E52
cycling, dexamethasone effects, healthy subjects, E626
disposal, endurance-trained and untrained young men, E155
distribution and kinetics, model, E292
enhanced muscle glucose transport and, after exercise, E685
homeostasis, during development, E601
lactate formation from, E397
metabolism
adipocyte, refeeding after fasting, E865
amylin effects, E457
in obesity, hepatocytes, E389
insulin-like growth factor I effects, E561
production
hepatic, muscular work effects, E195
hepatic, norepinephrine infusion effects, E210
recycling, isotopomer patterns in, E757
repletion, fed and fasted humans, E335
transport, enhanced, muscle, after exercise, E685
transport capacity, endurance training effects, skeletal muscle, E778
transporter content, muscle fiber types and, E593
uptake, insulin effects, voluntary running, E706
utilization
brain, chronic vs. acute hypoglycemia, E729
cerebral dysfunction after portacaval shunting, E104
fetal, hypoinsulinemia and hyperglycemia, E506

Glucose-6-phosphatase, measurement, dexamethasone and, healthy subjects, E626

Glucose tolerance test, starvation diabetes, E770

Glutamate dehydrogenase, mitochondrial ATP production, microsomes of muscle, E204

Glutamine
protein metabolism, after injury with turpentine, model, E763
transport
denervated skeletal muscle, E148
sarcolemmal vesicles from skeletal muscle, E284

Glutathione, metabolism, bathocuproine disulfonate and, hepatocytes, E443

Glycine, oxidation, quantitative partition (pig), E483

Glycogen
deposition, insulin effects, voluntary running, E706
liver, fasting and, E804
metabolism, liver, food deprivation effects, E692
repletion
hepatic, fed and fasted humans, E335
liver, fasted-refed transition, E513
synthesis, isotopomer patterns in, E757

Glycogenolysis
amylin effects, E457
food deprivation effects, liver, E692
lactate formation from glucose, E397
vasoactive peptides and phenylephrine effects, hepatocytes (teleost), E644

Glycolysis, free fatty acid effects, impaired oxidative capacity, E451

G proteins, coupling, pregnancy effects, myometrium (guinea pig), E57

Growth: see also Development
work-induced, skeletal muscle, insulin-like growth factor, E89

Growth factor, antimitogenic activity, mesangial cells, E312

Growth hormone
sodium-potassium pump and, muscle, E278
work-induced growth, skeletal muscle, E89

Guanosine monophosphate, cyclic, antimitogenic activity, mesangial cells, E312

Gut: see Intestine

H

Heart
congestive failure, norepinephrine clearance, desipramine effects, E261
mitochondrial protein synthesis, insulin stimulation of, E413

Hemorrhage, endocrine responses to, food deprivation effects, E692

Hepatic nerves, glucose production and, muscular work, E195

Hepatocytes
amino acid transport, different protein diet effects, E614
cyst(e)ine metabolism, bathocuproine disulfonate and, E443
glucose metabolism, obesity, E389
vasoactive peptides, phenylephrine and (teleost), E644

Hepatoma, free fatty acid effects, glycolysis, E451

Hippocampus, adrenal steroid receptor binding, after stress or dexamethasone, E405

Hippurate, oxidation, quantitative partition (pig), E483

Hormonal control, calcium and phosphate, regulation in calcitonin infusion, E370

Hormones: see also specific hormone
aging and endurance training effects, healthy men, E66
endocrine, pulse generators, E351

Hot hand technique, body temperature, forearm blood flow and deep venous oxygen saturation with, E639

Hydrin 1, fluorescent analogue, E524

Hydrogen ions, ammonia flux, exercise and recovery, E170

1 α -Hydroxylase, renal, rapid inhibition of, E272

Hyperaminoacidemia, leg tissue, euglycemic hyperinsulinemia effects, E185

Hyperglycemia
effects, lipolysis, E542
hypoinsulinemia and, fetal glucose utilization, E506
sustained, testicular dysfunction and fertility with, E881

Hyperglycemic clamp, insulin secretory capacity, endurance-trained and untrained young men, E155

Hyperinsulinemia, euglycemic, amino acid uptake and, leg tissue, E185

Hyperinsulinemic clamp
amino acid disposal, glucagon role in, E225
norepinephrine infusion effects, insulin sensitivity, E210

Hyperlipidemia, triglyceride production, hepatic, diet effects, E177

Hypertension, renovascular, renin and pressor responses to, naloxone effects, E432

Hypoglycemia
chronic vs. acute, glucose utilization and cortical function in, E729
insulin-induced, protein metabolism and, E342

Hypoinsulinemia
hyperglycemia and, fetal glucose utilization, E506
thyroid hormone and epinephrine interaction, E305

Hypophosphatemia, mitochondrial, renal 25-hydroxyvitamin-1 α -hydroxylase activity and, E814

Hypophysectomy, sodium-potassium pump and, muscle, E278

Hypotension
hemorrhage, food deprivation effects, E692
renal, renin and pressor responses to, naloxone effects, E432

Hypothalamic-pituitary-adrenocortical axis, glucose homeostasis and, during development, E601

Hypothalamus
lateral lesions, thermogenesis after meals, isoproterenol and cold, E534
stress hyporesponsive period, during development, neonate, E601

I

Illuminance, serum and pituitary TSH and, E162

Inosine monophosphate, ammonia flux, exercise and recovery, E170

D-myo-Inositol 1,4,5-trisphosphate, production, calcium release and, uterine cells (chicken), E872

Inositol phospholipids, turnover, insulinoma cells, E73

Insulin
acute effects, glucose metabolism, E561
binding, skeletal muscle, E517
carbohydrate and protein metabolism and, voluntary running, E706
dose-dependent effects, plasma free fatty acid oxidation, E736

Insulin (*continued*)

- enhanced muscle glucose transport and, after exercise, E685
- glucose cycling and, healthy subjects, E626
- glucose transport capacity, endurance training effects, E778
- glucose transporter content, muscle fiber types and, E593
- glucose utilization and, fetal, E506
- hepatic nerves, exercise and, E195
- hypoglycemia induced by, protein metabolism and, E342
- lactate formation from glucose, E397
- leucine and α -ketoisocaproate metabolism, type 1 diabetes, E96
- receptor kinase, changes with aging, skeletal muscle and liver, E27
- receptor: *see* Receptors
- release
 - calcium handling effects, E117
 - protein kinase C and, E73
- response to, muscle protein metabolism, starvation effects, E477
- secretagogues, capacitation, pancreatic islets, E548
- secretion
 - calmodulin and, E856
 - maternal diet effects, islets, E568
 - pancreatic β -cell somatostatin receptors, E216
- secretory capacity, endurance-trained and untrained young men, E155
- sensitivity
 - mammary gland during lactation, E828
 - norepinephrine infusion effects, E210
 - testosterone effects, muscle, E555
- stimulation, mitochondrial protein synthesis, heart, E413
- thyroid hormone interaction and, E305
- uptake
 - euglycemic hyperinsulinemia effects, leg tissue, E185
 - from plasma into cerebrospinal fluid, E378
- Insulin-like growth factor
 - activation of, work-induced skeletal muscle growth, E89
 - sodium-potassium pump and, muscle, E278
- Insulin-like growth factor I, acute effects, glucose metabolism, E561
- Insulinoma cells, inositol phospholipid turnover, NaF-induced, E73
- Interferon- γ , TNF- α and, prolactin release, E672
- Intestine
 - leucine metabolism, splanchnic region role in, E36
 - protein metabolism, insulin-induced hypoglycemia effects, E342
- Isoproterenol, meals and cold, thermogenesis after, lateral hypothalamic lesions, E534
- Isotocin, phenylephrine actions and, hepatocytes (teleost), E644
- Isotopes, dilution, resting metabolic rate, aging effects, E233

K

- Ketoacidosis, diabetic, osmoregulation of vasopressin in, E723
- Ketogenesis, fatty acids, mitochondrial, liver, endotoxic rats, E498

- 2-Ketoisocaproate, nitrogen sparing of, parenteral feeding, E633
- α -Ketoisocaproate, metabolism, insulin effects, type 1 diabetes, E96
- Ketoisocaproic acid, deamination and decarboxylation, fetoplacental, E492
- α -Ketoisocaproic acid
 - metabolism
 - insulin-induced hypoglycemia effects, E342
 - splanchnic region role in, E36
- Ketone body
 - islet function and
 - calcium handling and, E117
 - rubidium handling and, E123
 - production rates, systemic pH effects, E327
 - turnover, measurement of, E890
- Kidney
 - arginine synthesis, E437
 - development, transforming growth factor- α in, E256
 - 25-hydroxyvitamin D₃-1-hydroxylase activity, mitochondrial phosphate transport and, E814
 - 25-hydroxyvitamin D₃-1-hydroxylase, inhibition by 1,25-dihydroxyvitamin D₃, E272
- Kidney tubules, cortical, arginine synthesis, E437

L

- Lactate
 - ammonia flux, exercise and recovery, E170
 - formation, from glucose, E397
 - hepatic nerves, exercise and, E195
 - metabolism, liver and skeletal muscle in, E677
 - oxidation, phenylephrine actions and, hepatocytes (teleost), E644
 - production, adipocyte, refeeding after fasting, E865
- Lactation: *see also* Fetus, Placenta; Pregnancy
 - insulin secretion, maternal diet effects, E568
 - insulin sensitivity during, mammary gland, E828
 - protein and calcium homeostasis, PTH-related, E792
 - regulation of 1,25-dihydroxyvitamin D₃ in, E665
- Leucine
 - balance studies, splanchnic region role in, E36
 - ¹³C-labeled, measurement of albumin synthesis, E797
 - deamination and decarboxylation, fetoplacental, E492
 - metabolism
 - insulin effects, type 1 diabetes, E96
 - insulin-induced hypoglycemia effects, E342
 - splanchnic region role in, E36
 - nitrogen sparing of, parenteral feeding, E633
 - oxidation, glucagon-induced, bradykinin effects, E239
 - protein synthesis, muscle, exercise and recovery effects, E470
 - tracer kinetics, starvation effects, muscle, E477
 - uptake, euglycemic hyperinsulinemia effects, leg tissue, E185

- Leukotriene C₄, hemodynamic effects, fetus (sheep), E851
- Lipids, metabolism, insulin effects, E736
- Lipolysis
 - hypoglycemia effects, E542
 - ketone body production rates and, systemic pH effects, E327
 - prolonged fast (hamster), E80
 - triglyceride production, hepatic, diet effects, E177
- Liver
 - aging effects, insulin receptor kinase, E27
 - alanine and lactate metabolism, E677
 - amino acid transport, different protein diet effects, E614
 - cyst(e)ine metabolism, bathocuproine disulfonate and, hepatocytes, E443
 - development, transforming growth factor- α in, E256
 - glucose production
 - insulin-like growth factor I and, E561
 - muscular work effects, E195
 - glycogen metabolism, food deprivation effects, E692
 - glycogen repletion
 - fasted-refed transition, E513
 - fed and fasted humans, E335
 - mitochondrial fatty acid oxidation, endotoxic rats, E498
 - oral galactose metabolism, fasting, E804
 - portacaval shunting, cerebral dysfunction and, E104
 - protein metabolism
 - after injury with turpentine, model, E763
 - insulin-induced hypoglycemia effects, E342
 - triglyceride production, diet effects, E177
- Lung, development, transforming growth factor- α in, E256

M

- Malonyl-CoA, exercise-induced decline in, different muscle types, E266
- Mammary gland, lactation, insulin sensitivity during, E828
- Metabolic rate
 - aging and endurance training effects, healthy men, E66
 - resting, body composition and, aging effects, E233
- Methimazole, inhibition, thyroid metabolism, E529
- α -(Methylamino)isobutyric acid, membrane transport, different protein diet effects, liver, E614
- 3-O-Methylglucose, transporter expression, endurance training effects, E778
- 3-Methylhistidine, muscle, exercise and recovery effects, E470
- Microcirculation: *see also* Blood flow
 - altered regulation, transplanted pancreatic islets, E52
- Microprobe, scanning ion, calcium labeling in, bone, E586
- Microspheres, radiolabeled, leukotriene C₄ effects, fetus (sheep), E851
- Mineralization
 - bone
 - 1,25-dihydroxyvitamin D₃ infusion, E715
 - scanning ion microprobe, E586
- Minerals, metabolism, vitamin D₃ response to, E319

- Mitogenesis, mesangial cell, ANF inhibition of, E312
- Models, clinical trauma, protein metabolism after turpentine injury, E763
- Monoamines, cerebral dysfunction and, after portacaval shunting, E104
- Muscle
- different types, exercise-induced decline, malonyl-CoA effects, E266
 - enhanced glucose transport, after exercise, E685
 - glucocorticoids, myofibrillar proteolysis to, E699
 - hypertrophy, insulin-like growth factor and, 89
 - insulin receptor kinase activation, high-fat-sucrose diet effects, E111
 - insulin sensitivity, testosterone effects, E555
 - lactate formation from glucose, E397
 - microsamples of mitochondria, ATP production in, E204
 - protein metabolism
 - after injury with turpentine, model, E763
 - starvation effects, insulin response and, E477 - protein synthesis, exercise and recovery effects, E470
 - sodium-potassium pump, growth hormone and thyroxine effects, E278
- Muscle, skeletal
- aging effects, insulin receptor kinase, E27
 - alanine and lactate metabolism, E677
 - denervated, glutamine transport and metabolism, E148
 - gluconeogenic precursors in, fasted-refed transition, E513
 - glucose transport capacity, endurance training effects, E778
 - growth, work-induced, insulin-like growth factor and, E89
 - hydrolysis, peptides, E463
 - insulin binding, E517
 - protein metabolism, insulin-induced hypoglycemia effects, E342
 - sarcolemmal vesicles, glutamine transport in, E284
- Muscle fiber
- type
 - glucose transporter content, E593
 - insulin binding, E517
- Myometrium, phosphoinositide hydrolysis, G protein coupling to, pregnancy effects (guinea pig), E57
- N**
- Naloxone, renin and pressor responses, acute renal hypotension, E432
- Naphthalenesulphonamide compounds, calmodulin, insulin secretion and, E856
- Neonate
- development
 - glucose homeostasis during, E601
 - transforming growth factor- α in, E256 - protein and calcium homeostasis, PTH-related, E792
 - thermoregulatory thermogenesis, onset of obesity and, E11
- Neuropeptide Y, receptor subtypes, E131
- Nitrogen
- balance, muscle, exercise and recovery effects, E470

- sparing, 2-ketoisocaproate and, parental feeding, E633
- Norepinephrine
- clearance, desipramine effects, congestive heart failure, E261
 - content, platelet, sympathoadrenal activity and, E141
 - hepatic nerves, exercise and, E195
 - infusion, insulin sensitivity and, E210
 - kinetics, aging and, E422
 - turnover, brown fat, adrenalectomy effects, E362

O

- Obesity
- adrenalectomy and, brown fat metabolism after, E362
 - defective thermoregulatory thermogenesis effects, E11
 - fat to carbohydrate oxidation, predictor of weight gain, E650
 - glucose metabolism, hepatocytes, E389
 - refeeding after low calorie intake, corticosterone effects on energy expenditure, E658
- Olfactory bulb, natriuretic peptide binding sites, autoradiography, E246
- Opiates, peptide transport system for, blood-brain barrier, E1
- Osmoregulation
- vasopressin secretion
 - awake state, E19
 - diabetic ketoacidosis, E723
- Osteomalacia, trabecular and cortical bone, 1,25-dihydroxyvitamin D₃ infusion, E715
- Ouabain, binding, sodium-potassium pump and, muscle, E278
- Oxidation, splanchnic region effects, leucine metabolism, E36
- Oxidative capacity, impaired, free fatty acid effects on glycolysis, E451
- Oxygen
- consumption
 - adipose tissue, E599
 - lateral hypothalamic lesions, E534
 - mitochondrial, liver, endotoxic rats, E498 - deep venous saturation, hand heating effects, E639

P

- Pancreas, endocrine, insulin secretion, maternal diet effects, E568
- Pancreatic cells, β -, somatostatin receptors, E216
- Pancreatic islets
- autotransplanted, altered blood flow regulation in, E52
 - function
 - calcium handling and, E117
 - rubidium handling and, E123 - insulin release and survival, capacitation of, E548
 - insulin secretion, maternal diet effects, E568
 - sodium-calcium exchange, E844
- Parathyroid hormone
- protein and calcium homeostasis related to, lactation, E792
 - regulation, lactation, E665
 - zinc and phosphorus depletion effects, E319

- Peptides: *see also* Polypeptides
- hydrolysis, sarcolemmal membrane, E463
 - transport systems, opiates, blood-brain barrier, E1
 - vasoactive, phenylephrine actions and, hepatocytes (teleost), E644
- Permeability, water, fluorescent analogue for hydriin 1, E524
- pH, systemic, ketone body production rates and lipolysis, E327
- Phenylalanine
- flux, conversion to tyrosine, E835
 - tracer kinetics, starvation effects, muscle, E477
 - uptake, euglycemic hyperinsulinemia effects, leg tissue, E185
- Phenylephrine, vasoactive peptides and, hepatocytes (teleost), E644
- Phorbol esters, inhibition, thyroid metabolism, E529
- Phosphate
- plasma, regulation in calcitonin infusion, E370
 - transport, renal 25-hydroxyvitamin D-1 α -hydroxylase activity and, E814
- Phosphoinositide, hydrolysis, G protein coupling to, pregnancy effects (guinea pig), E57
- Phospholipid vesicles, solubilization of vasopressor receptors in, human platelets, E751
- Phosphorus
- depletion, 1,25-dihydroxyvitamin D₃ and, E319
 - dietary, insulin secretion and, E568
- Pituitary gland
- adrenal steroid receptor binding, after stress or dexamethasone, E405
 - anterior, prolactin release, TNF- α and interferon- γ effects, E672
- Placenta: *see also* Fetus; Lactation; Pregnancy
- deamination and decarboxylation, leucine, E492
- Plasma, insulin uptake from, cerebrospinal fluid, E378
- Platelets
- catecholamine content, sympathoadrenal activity and, E141
 - vasopressin receptors, reconstitution of, E751
- Polypeptides: *see also* Peptides
- gastric inhibitory, endurance-trained and untrained young men, E155
 - islet amyloid, glucose metabolism and glycogenolysis, E457
- Posture, norepinephrine kinetics and, age-related differences, E422
- Pregnancy: *see also* Fetus; Lactation; Placenta
- G protein coupling and, myometrium (guinea pig), E57
- Pressor responses, acute renal hypotension, naloxone effects, E432
- Prolactin, release, TNF- α and interferon- γ effects, E672
- Prostaglandins, vasotocin and, calcium release and inositol production, uterine cells (chicken), E872
- Protein
- different diets, amino acid transport and, liver, E614
 - glucose transporter content, muscle fiber types and, E593

Protein (continued)

- homeostasis, PTH-related, lactation and, E792
- metabolism
 - after injury with turpentine, E763
 - insulin effects, voluntary running, E706
 - insulin-induced hypoglycemia effects, E342
 - muscle, starvation effects, insulin response and, E477
- myofibrillar, adaptation to glucocorticoids, E699
- recombinant, prolactin release and, E672
- synthesis
 - mitochondrial, insulin stimulation, heart, E413
 - muscle, exercise and recovery effects, E470
 - parenteral feeding, E633
- turnover
 - cimaterol effects, E822
 - euglycemic hyperinsulinemia effects, leg tissue, E185
- Protein kinase C, NaF-induced inositol phospholipid turnover, insulinoma cells, E73
- Proteolysis, myofibrillar, insulin- and thyroid hormone-independent adaptation, glucocorticoids, E699
- PTH: see Parathyroid hormone
- Pump, sodium-potassium, muscle, E278
- Purine nucleotide cycle, ammonia flux, exercise and recovery, E170
- Pyruvate dehydrogenase
 - insulin receptor kinase activation and, E111
 - insulin receptors, mammary gland, E828

R

Receptors

- adrenal steroid, binding after stress or dexamethasone, spleen and thymus, E405
- α_3 -adrenergic, adipose tissue, prolonged starvation effects (hamster), E80
- insulin
 - kinase activation, high-fat-sucrose diet effects, E111
 - lactation, mammary gland, E828
 - skeletal muscle, E517
- neuropeptide Y, distinction in vivo and in vitro, E131
- osmoreceptors, peripheral, vasopressin secretion, awake state, E19
- somatostatin, pancreatic β -cell, E216
- vasopressin, reconstitution, human platelets, E751
- vasotocin, new probe for, E524
- Renin, response, acute renal hypotension, naloxone effects, E432
- Resistance, insulin, high-fat-sucrose diet effects, E111
- Respiration, mitochondrial, insulin stimulation and, heart, E413
- Respiratory quotient, fat to carbohydrate oxidation, predictor of weight gain, E650
- Rhythms
 - circadian
 - entrainment, development and (opossum), E384
 - lighting condition effects, E162
 - regulation in calcitonin infusion, E370

- Ribonucleic acid, messenger, glucose transporter content, muscle fiber types, E593
- Rubidium-86, handling, ketone bodies and islet function, E123

S

- Sarcolemma, hydrolysis, peptides, E463
- Sarcolemmal vesicles, skeletal muscle, glutamine transport in, E284
- Secretagogues, insulin, capacitation, pancreatic islets, E548
- Serotonin, release, neuropeptide Y receptors, in vivo and in vitro, E131
- Shunt, portacaval, cerebral dysfunction and, E104
- Sodium, restriction, norepinephrine kinetics and, aging effects, E422
- Sodium-calcium exchange, process of, pancreatic islet cells, E844
- Sodium fluoride, inositol phospholipid turnover induced by, protein kinase C effects, insulinoma cells, E73
- Sodium-potassium pump: see Pump
- Soleus muscle, sodium-potassium pump, growth hormone and thyroxine effects, E278
- Somatomedins, work-induced growth and, skeletal muscle, E89
- Somatostatin
 - amino acid disposal, glucagon role in, E225
 - glucose utilization and, fetal, E506
- Spectrometry
 - gas chromatography-mass, isotopomer patterns in tracing glycogen synthesis, E757
- mass
 - calcium labeling of bone, E586
 - measurement of albumin synthesis, E797
- Spermatogenesis, sustained hyperglycemia and, E881
- Starvation: see Fasting
- Steroid, receptors: see Receptors
- Stress, adrenal steroid receptor binding after, spleen and thymus, E405
- Substrates
 - balance studies, splanchnic region role in, E36
 - oxidation, insulin effects, E736
- Suprachiasmatic nucleus, entrainment of circadian phase, development and (opossum), E384
- Sympathetic nervous system, norepinephrine kinetics, aging effects, E422
- Sympathoadrenal activity, catecholamine content and, platelets, E141

T

- Temperature, body, hand heating effects, E639
- Testicles, dysfunction, fertility and, sustained hyperglycemia effects, E881
- Testosterone
 - dysfunction, sustained hyperglycemia and, E881
 - insulin sensitivity and, muscle, E555
- Thermogenesis
 - corticosterone effects, refeeding after low calorie intake, E658
 - lateral hypothalamic lesions, after meals, isoproterenol and cold, E534
 - thermoregulatory, obesity and, E11

- thyroid hormones, epinephrine and insulin interaction, E305
- Threonine, oxidation, quantitative partition (pig), E483
- Thyroid
 - slices, intermediary metabolism, amiodarone and, E529
 - thyrotropin-releasing hormone degrading enzymes, ontogeny and distribution of, E787
- Thyroid hormone
 - brown fat metabolism and, obesity, E362
 - sodium-potassium pump and, muscle, E278
 - thermogenic effects, epinephrine and insulin with, E305
- Thyroid-stimulating hormone, amiodarone, intermediary metabolism and, E529
- Thyrotropin, serum and pituitary, lighting condition effects, E162
- Thyrotropin-releasing hormone degrading enzymes, ontogeny of, E787
- Thyroxine, thermogenic effects, epinephrine and insulin with, E305
- TNF: see Tumor necrosis factor
- Trabecular bone, responses, 1,25-dihydroxyvitamin D₃ infusion, E715
- Transforming growth factor- α , development and, E256
- Trauma, denervation, glutamine and, skeletal muscle, E148
- Triglycerides, production, hepatic, diet effects, E177
- TSH: see Thyrotropin
- Tumor necrosis factor, hepatic triglyceride production stimulated by, diet effects, E177
- Tumor necrosis factor- α , interferon- γ and, prolactin release, E672
- Turpentine, injury, protein metabolism after, model, E763
- Tyrosine, phenylalanine flux and conversion to, E835
- Tyrosine kinase
 - activation, high-fat-sucrose diet effects, E111
 - insulin receptors, mammary gland, E828

U

- Urea
 - production
 - glucagon-induced, bradykinin effects, E239
 - glucagon role in amino acid disposal, E225
- Urinary bladder, fluorescent analogue for hydrin 1, E524
- Uterine cells, prostaglandin, vasotocin or inositol production, calcium release and (chicken), E872
- Uterus, quiescence, pregnancy effects (guinea pig), E57

V

- Vasoconstriction, neuropeptide Y receptors, distinction in vivo and in vitro, E131
- Vasopressin: see also Antidiuretic hormone
 - fluorescent analogue for hydrin 1, E524
 - osmoregulation of, diabetic ketoacidosis, E723
 - receptors: see Receptors
 - secretion, splanchnic control of, awake state, E19

Vasotocin

- phenylephrine actions and, hepatocytes (teleost), E644
- prostaglandins and, calcium release and inositol production, uterine cells (chicken), E872

Vitamin D₃

- 25-hydroxy-, renal activity, phosphate transport and, E814

1,25-dihydroxy-

- inhibition of 25-hydroxyvitamin D₃-1-hydroxylase, kidney, E272
- regulation in lactation, E665
- responses of trabecular and cortical bone, E715
- zinc and phosphorus depletion effects, E319

W

- Weight, body, muscle, sodium-potassium pump and, E278

Z

- Zinc, depletion, 1,25-dihydroxyvitamin D₃ and, E319

Author Index to Volume 22

- Abumrad, N. N., E342
Acheson, K. J., E305
Adi, S., E177
Adibi, S. A., E463
Ahmed, A., E284
Albrecht, R. F., E729
Appel, R. G., E312
Arkinstall, S. J., E57
Arner, P., E561
Arogyasami, J., E266
Avogaro, A., E890
Azhar, S., E706
- Babij, P., E148
Baertschi, A. J., E19
Bailey, J. W., E890
Baily, R. G., E261
Balasse, E. O., E770
Ball, R. O., E835
Ballevre, O., E483
Ballmer, P. E., E797
Bandini, L. G., E233
Bangsbo, J., E170
Banks, W. A., E1
Barrett, E. J., E477
Baskin, D. G., E517
Battaglia, F. C., E492
Bayer, A. L., E751
Béchet, D. M., E822
Bechtel, P. J., E89
Bennet, W. M., E185
Bergman, R. N., E378
Best, J. D., E141
Bier, D. M., E677
Bikle, D. D., E715
Biolo, G., E96
Björntorp, P., E555
Blachier, F., E123
Blackard, W. G., E451
Bliss, C. R., E568
Boass, A., E665
Boden, G., E225
Bogardus, C., E650
Boija, P. O., E692
Bonadonna, R. C., E736
Boscarato, M. T., E96
Boublik, J. H., E131
Bourey, R. E., E593
Boyd, J. J., E111
Bracy, D., E195
Brosnan, J. T., E437
Brosnan, M. E., E437
Brown, P. I., E256
Brunengraber, H., E757
Buchan, V., E797
Buku, A., E524
Burger, A. G., E305
Burke, J. F., E36
Burnol, A. F., E282
Bushinsky, D. A., E586
- Cadenhead, A., E483
Calder, A. G., E483, E797
Camara, J., E117
Cameron, D. F., E881
Cantin, M., E246
Carpéné, C., E80
Carpenter, T. O., E814
- Carraro, F., E470
Cartee, G. D., E685
Cartmill, D., E266
Caruso, M., E542
Chabala, J. M., E586
Chamberlain, K. G., E141
Chandramouli, V., E335
Cherrington, A. D., E195
Chiba, T., E73
Choi-Kwon, S., E19
Clemson, B., E261
Cline, G., E335
Clare, J. N., E451
Cobelli, C., E890
Coloso, R. M., E443
Connacher, A. A., E185
Consoli, A., E677
Contreras, I., E111
Corbett, S. W., E534
Corpus, V. M., E685
Cronin, M. J., E672
- Dalsky, G. P., E155
Daly, R. N., E131
Danforth, E., Jr., E66
D'Anza, J. J., E792
d'Attellis, N. P., E770
Davis, D., E261
Davis, D. W., E104
Deacon, R. W., E457
Deems, R. O., E457
DeFronzo, R. A., E736
DeJoseph, M. R., E104
De Kreutzenberg, S. V., E96
Demigne, C., E614
Des Rosiers, C., E757
Deval, C., E822
DeVol, D. L., E89
Dhanakoti, S. N., E437
Dick, I. M., E272
Dietrich, R., E513
DiGiacomo, J. E., E506
DiGirolamo, M., E865
Divertie, G. D., E542
Doerfler, W., E177
Dohm, G. L., E111
Dørup, I., E278
Downes, D. L., E111
Drake, M. R., E443
Dulloo, A. G., E658
Durr, J. A., E723
- Efendic, S., E626
Eggena, P., E524
Elahi, D., E155, E239
Elayan, I. M., E266
El Gammal, T., E723
Elia, M., E763
Esahili, H., E692
Esposito-Del Puente, A., E650
Everts, M. E., E278
- Fafournoux, P., E614
Fahien, L. A., E548
Feingold, K. R., E177
Fennessey, P. V., E492
Ferrara, M., E822
Fery, F., E770
- Field, J. B., E529
Fink, K., E131
Fisher, D. A., E256, E787
Flyvbjerg, A., E278
Foley, J. E., E457
Fox, M., E561
Frisell, W. R., E111
Fryburg, D. A., E477
Fujita, T., E73
Fukagawa, N. K., E233
Fuller, M. F., E483
Fuse, Y., E787
- Galbo, H., E778
Galitzky, J., E80
Gallen, I. W., E639
Garlick, P. J., E483, E797
Gelfand, R. A., E477
Genest, J., E246
Gerich, J. E., E397, E677
Giacca, A., E626
Girard, J., E828
Girardier, L., E658
Gollnick, P. D., E170
Goodman, M. N., E513, E699, E706
Goran, M. I., E576
Göthert, M., E131
Graham, T. E., E170
Grier, B. L., E413
Grill, V., E792
Groop, L. C., E736
Grunfeld, C., E177
Gulve, E. A., E685
- Halloran, B. P., E715
Halter, J. B., E422
Deval, C., E822
Hartl, W. H., E239, E470
Hawkins, R. A., E104
Hay, W. W., Jr., E492, E506
Haymond, M. W., E327, E890
Heldmaier, G., E11
Henriksen, E. J., E593
Hensen, J., E723
Herchuelz, A., E844
Herndon, D. N., E576
Hertelendy, F., E872
Herzberg, G. R., E437
Hetenyi, G., Jr., E292
Heys, S. D., E797
Hieble, J. P., E131
Hirshman, M. F., E210
Hoeldtke, R. D., E225
Hoffman, W. H., E723
Holloszy, J. O., E155, E593, E685
Holmång, A., E555
Hood, V. L., E327
Horton, E. S., E210
Hourani, H., E342
Hultman, E., E204
Hundal, H. S., E148
- Imura, H., E27
Inchiostro, S., E96
Inoue, G., E27
Itoh, Y., E498
- Jadali, F., E225
Jahoor, F., E239
- James, D., E561
Jansson, L., E52
Jeanprêtre, N., E305
Jennische, E., E555
Jensen, M. D., E542
Jéquier, E., E305
Johansson, G., E162
Johnson, M. D., E432
Johnson, M. L., E351
Jones, C. T., E57
Jørgensen, K. D., E278
Juel, C., E170
Jung, R. T., E185
- Kadowaki, S., E73
Kahn, B. B., E778
Kahn, S. E., E378
Kakehi, T., E27
Kastin, A. J., E1
Katz, J., E389
Kaul, R., E11
Kayali, A. G., E699
Keese, R. E., E534
Keller, U., E327
Kern, M., E111
Khan, A., E626
Kim, H.-K., E362
Kimmel, P. L., E319
King, D. S., E155
Kitazawa, Y., E498
Klein, S., E239
Knowler, W. C., E650
Koerker, D. J., E517
Kohrt, W. M., E155
Kono, S., E27
Konrad, E. M., E246
Koranyi, L., E593
Kosaki, A., E27
Kukreja, S. C., E792
Kumaran, K., E335
Kury, D., E327
Kuzuya, H., E27
- Laakso, M.-L., E162
Lacy, D. B., E195
Lafontan, M., E80
Lahtela, J. T., E389
Lakshmanan, J., E256
Lam, R. W., E256, E787
Landau, B. R., E335, E757
Langman, C. B., E319
Larsson, M., E692
Lassiter, A. E., E351
Lattemann, D. F., E378
Lausson, S., E370
Lebrun, P., E117, E123, E844
Lester, G. E., E665
Levi-Setti, R., E586
Lillioja, S., E650
Lin, J., E699
Linares, O. A., E422
Listrat, A., E822
Livingston, J. N., E561
Ljungqvist, O., E692
Lobaugh, B., E665
Lobley, G. E., E483
Loizeau, M., E828

- Louard, R. J., E477
 Lounsbury, K. M., E216
 Loy, G. L., E492
 Lu, M., E524
 Lupien, J. R., E210
 Luu, P., E513
- Ma, C.-L., E524
 Macdonald, I. A., E639
 MacDonald, M. J., E548
 Maeda, I., E27
 Malaisse, W. J., E117, E123
 Männistö, P. T., E162
 Mans, A. M., E104
 Marshall, S. M., E278
 Martin, T., E804
 Martin, T. J., E792
 Matthews, D. E., E633
 May, M. E., E342
 McAuliffe, T. L., E66
 McCarty, R., E19
 McEwen, B. S., E405
 McGalliard-Cone, C., E715
 McIntosh, R. H., E457
 McKee, E. E., E413
 McKenzie, D. I., E548
 McNurlan, M. A., E797
 Meglasson, M. D., E216
 Melton, M. E., E792
 Meschia, G., E492
 Meyer, B. A., E851
 Michel, M. C., E131
 Miles, J. M., E542, E890
 Milhaud, G., E370
 Miller, A. H., E405
 Milne, E., E797
 Miyoshi, H., E239
 Molnár, M., E872
 Mommsen, T. P., E644
 Mondon, C. E., E706
 Moon, T. W., E644
 Moran, S. M., E548
 Morey-Holton, E., E715
 Morishita, T., E73
 Morris, J. A., E342
 Morse, E. L., E463
 Moser, A. H., E177
 Moss, A., E561
 Motulsky, H. J., E131
 Moxley, R. T., III, E561
 Müller, M. J., E305
 Murray, F. T., E881
- Nakamura, A., E73
 Neese, R., E177
 Neil, B., E804
 Nelson, J., E216
 Newby, F. D., E865
 Niewoehner, C. B., E804
- Nishimura, H., E27
 Nosadini, R., E96, E890
 Novakofski, J., E89
 Nurjhan, N., E397, E677
 Nyomba, B. L., E650
- Ohkuwa, T., E778
 Okamoto, M., E27, E27
 Owen, O. E., E225
- Parisi, V. M., E851
 Pasquali, D., E529
 Pedersen, O., E778
 Pelletier, S., E246
 Pelligrino, D. A., E729
 Pencharz, P. B., E835
 Perault-Staub, A. M., E370
 Permutt, M. A., E593
 Pestell, R. G., E141
 Peters, E. J., E576
 Piolino, V., E305
 Plasman, P. O., E844
 Ploug, T., E778
 Poehlman, E. T., E66
 Polk, D. H., E787
 Porkka-Heiskanen, T., E162
 Porte, D., Jr., E378
 Powers, L. P., E451
 Prince, R. L., E272
 Puhakainen, I., E397
- Quick, A. N., Jr., E492
 Quirke, J. F., E822
- Radziuk, J., E292
 Raghunath, M., E463
 Raman, M., E292
 Rani, C. S. S., E529
 Rasschaert, J., E123
 Ravussin, E., E650
 Raz, I., E650
 Reaven, G. M., E706
 Rees, W. D., E483
 Reilly, J. J., Jr., E677
 Reisine, T., E216
 Remesy, C., E614
 Rennie, M. J., E148, E185, E284
 Repetta, D., E881
 Reppert, S. M., E384
 Retallack, R., E272
 Reviczky, A. L., E787
 Rezvani, I., E225
 Rivier, J. E., E131
 Rivkees, S. A., E384
 Rodnick, K. J., E593, E706
 Roland, B., E534
 Romsos, D. R., E362
 Rosenblatt, J., E470
- Rotwein, P., E89
 Rountree, J., E881
- Saad, M. F., E650
 Saccà, L., E96
 Sadow, J. L., E89
 Saltin, B., E170
 Sandler, S., E52
 Saulnier-Blache, J.-S., E80
 Schlicker, E., E131
 Schmidt, I., E11
 Schultz, R. E., E881
 Schumann, W. C., E335
 Schwartz, M. W., E378
 Scrimgeour, C. M., E185
 Segil, L. J., E729
 Sener, A., E117, E123
 Seydoux, J., E658
 Shank, M., E736
 Sharp, G. W. G., E568, E856
 Shiratori, T., E814
 Shulman, G. I., E335
 Simonson, M. S., E751
 Sipols, A., E378
 Sjöström, L., E599
 Sklar, A. H., E723
 Skottner, A., E561
 Slatopolsky, E., E319
 Smith, M. J., E422
 Snajdar, R. M., E751
 Spencer, R. L., E405
 Stallknecht, B. M., E778
 Staprans, I., E177
 Staten, M. A., E155
 Staub, J. F., E370
 Stein, M., E405
 Steinhart, C. M., E723
 Stenberg, D., E162
 Stipanuk, M. H., E443
 Stuart, C. A., E470
 Supiano, M. A., E422
 Svedberg, J., E555
 Sweet, I. R., E517
 Swinburn, B. A., E650
- Taborsky, G. J., Jr., E378
 Takeyama, N., E498
 Tanaka, T., E498
 Tappy, L., E225
 Tapscott, E. B., E111
 Taylor, P. M., E284
 Tessari, P., E96
 Thacker, S. V., E865
 Thermos, K., E216
 Thibault, G., E246
 Thibonnier, M., E751
 Tiengo, A., E96
 Toffolo, G., E890
 Toubiana, L., E370
- Toverud, S. U., E665
 Tracqui, P., E370
 Tredget, E. E., E36
 Trevisan, R., E96
 Tseng, F.-Y., E529
- Valverde, I., E117
 Van Houten, D. R., E66
 Veldhuis, J. D., E351
 Verdier, J. A., E177
 Viña, J. R., E104
 Vinten, J., E778
 Virkamäki, A., E397
 Vranic, M., E626
- Wagner, D. A., E36
 Wajngot, A., E626
 Walaszewski, J. A., E36
 Wals, P. A., E389
 Walser, M., E633
 Walsh, S. W., E851
 Walton, P. E., E672
 Ward, M. R., E148
 Ware, J., E692
 Wasserman, D. H., E195
 Watkins, D. W., E319
 Watt, P. W., E148
 Weaver, C. J., E432
 Wibom, R., E204
 Widmaier, E. P., E601
 Wiedenkeller, D. E., E568
 Wight, D. G. D., E763
 Willette, R. N., E131
 Williams, P. E., E195, E342
 Wilson, L. K., E865
 Wimbiscus, S. A., E792
 Winder, W. W., E266
 Wolfe, R. R., E239, E470, E576
 Woods, S. C., E378
 Wusteman, M., E763
- Yagi, M., E633
 Yamaguchi, A., E73
 Yamatani, T., E73
 Yaney, G. C., E856
 Yaylali, B., E117
 Yilmaz, T., E123
 Yki-Järvinen, H., E397
 Young, D. A., E457
 Young, J. B., E233
 Young, V. R., E36, E699
 Yu, Y.-M., E36
- Zelis, R., E261
 Zello, G. A., E835
 Zierath, J. R., E685
 Zurlo, F., E650
 Zych, K., E736

